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Scholar ☒ New!   [Articles excluding patents ▼] [1970] - [2001] [include citations ▼]   Results **1 - 20** of about **69**. (**0.12** sec)

Biometric identification   psu.edu [PDF]

A Jain, L Hong, S Pankanti - Communications of the ACM, 2000 - portal.acm.org
... Two primary components of a **biometric**-based identification system are the feature extractor and
matcher. ... typically consists of a list of the **locations** and other attributes (for example, orientation
of ... image; (d) input minutiae set overlaid on the input image; (e) **template** minutiae set ...
Cited by 282 - Related articles - BL Direct - All 29 versions

[CITATION] Vital signs of identity [**biometrics**]   uji.es [PDF]

B Miller - IEEE spectrum, 1994
Cited by 282 - Related articles - All 4 versions

[CITATION] **Biometric** Identification in Large Population

JL Cambier - Information Security Bulletin, 2000
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A fuzzy commitment scheme   hkbu.edu.hk [PDF]

A Juels, M Wattenberg - Proceedings of the 6th ACM conference on ..., 1999 - portal.acm.org
... of the image of h. For a standard hash function like SHA-1, the fuzzy commitment of a **biometric**
template is only 20 bytes longer than the **template** itself. The following small example is intended
to provide some flavor of how authentication would work under a fuzzy com ...
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[PDF] **Biometric** authentication systems   psu.edu [PDF]

V Matyas Jr, Z Riha - 2000 - Citeseer
... 12 Source: UltraScan [17] This is an example of a fingerprint bitmap image obtained by an
ultrasonic fingerprint reader. ... In the decision process, the **biometric** system tries to find a minutiae
transformation between the current distribution and the stored **template**. ...
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[BOOK] Audio-visual person recognition for security and access control   jisc.ac.uk [DOC]

F Deravi - 1999 - jisc.ac.uk

... An example of this would be the subsidised (VAT-free) use of university catering facilities which is only ... with access via a single source to the two least intrusive, lowest cost **biometric** solutions available ... The size of the face print **template** is 600 to 3500 bytes depending on the ...
Cited by 5 - Related articles - View as HTML - All 3 versions

[PDF] Ensuring integrity with fingerprint verification

psu.edu [PDF]

M Pettersson, M Obrink - Precise Biometrics White Paper AB, 2001 - Citeseer
... This also makes the Smart Card a suitable carrier of **biometric templates**. ... For digital signing of for example a contract, the user presents the Smart card to the card reader ... If the presented fingerprint image matches with the **template** stored in the Smart Card, the contract is signed ...
Cited by 2 - Related articles - View as HTML - All 2 versions

Biometrics—real identities for a virtual world

M Rejman-Greene - BT Technology Journal, 2001 - Springer
... For example, no **biometric** can guarantee ... Iris recognition systems, with effective **template** sizes of 256 bytes, have the potential of distinguishing between members of large populations, based upon research data obtained from thousands of pairs of eyes [3]. In contrast, hand ...
Cited by 13 - Related articles - BL Direct - All 6 versions

Performance Analysis of Smart Card-based Fingerprint Recognition for Secure User Authentication

YH Gil, Y Chung, D Ahn, J Moon, H ... - Towards the E-Society: E- ..., 2001 - books.google.com
... However, most of these systems have a common characteristic that the **biometrics** authentication process is solely accomplished out of the smart card processor [3]. For ... To heighten security level, the comparison of the master **template** with the fingerprint **sample** needs to be ...
Cited by 5 - Related articles - All 2 versions

Networked **biometrics** systems—requirements based on iris recognition

MM Gifford, DJ McCartney, CH Seal - BT Technology Journal, 1999 - Springer
... user has unsupervised access to the client **biometrics**-capture device, anti-**tamper** methods need ... for such access will depend upon the application, for example, for building access, one ... a small payment limit for which authorisation is taken on trust (the **biometric template** can in ...
Cited by 13 - Related articles - All 8 versions

[PDF] The Body As a Password: Considerations, Uses, and Concerns of **Biometric** Technologies

georgetown.edu [PDF]

MC Frye - 2001 - georgetown.edu
... about 2%.16 In a **biometric** verification system, false accepts are rare because the **sample** is only compared to the corresponding **template** of the user's claimed identity. For a **biometric** identification system, the **sample** is compared to all of the other **templates** in the database. ...
Cited by 4 - Related articles - View as HTML - All 4 versions

[PDF] Secure coprocessing applications and research issues

psu.edu [PDF]

SW Smith - Los Alamos Unclassified Release LA-UR-96-2805, Los ..., 1996 - Citeseer

... If Alice compromises the **template** database at any installation that uses a particular **biometric** ...
that installation's users anywhere else they are registered and that uses the same **biometric**. For
example, suppose Bob's workplace and school both use fingerprints; if Alice breaks into ...
Cited by 49 - Related articles - View as HTML - All 15 versions

[PDF] Laboratory evaluation of the iriscan prototype **biometric** identifier

F Bouchier, JS Ahrens, G Wells - Sandia National Laboratories, ..., 1996 - ece.unh.edu
... Volunteers were solicited by posters placed in buildings around the test **location**, Approximately
400 eyes were previously enrolled in the system by the manufacturer, several of them were ...
biometric sample is a close enough match to the enrolled **template** that matches that . ...
Cited by 28 - Related articles - View as HTML - All 5 versions

[CITATION] Development of personal authentication system using fingerprint with digital signature technologies

Y Isobe, Y Seto, M Kataoka - System Sciences, 2001. Proceedings of the 34th ..., 2001
Cited by 24 - Related articles - BL Direct - All 7 versions

[PDF] Image analysis and pattern recognition in **biometric** technologies

J Soldek, V Shmerko, P Phillips, G ... - Proc. of the 4-rd Int. ..., 1997 - enel.ucalgary.ca
... Typically, a number **samples** are taken at time (speech, signature) and processed in accordance
with a ... It should be said some words on compression methods for **biometric** information ... instance,
instead of storing an actual image of the fingerprint as the **template**, most verification ...
Cited by 10 - Related articles - View as HTML - All 5 versions

[CITATION] Noise-**resistant** pulse oximetry using a synthetic reference signal

FM Coetzee, Z Elghazzawi - IEEE Transactions on Biomedical Engineering, 2000
Cited by 47 - Related articles - BL Direct - All 6 versions

Smart cards in electronic commerce

NT Trask, MV Meyerstein - BT Technology Journal, 1999 - Springer
... provided with smart cards holding their on-line banking log-in, PIN and fingerprint **template**. ...
Although **biometrics** will be the way forward to replace the imperfect technology of passwords
and ... dependent upon the computer operating system in use, but is an example of exploiting ...
Cited by 12 - Related articles - BL Direct - All 4 versions

Hand geometry based verification

R Zunkel - **Biometrics**, 1999 - Springer
... For example, if three people enter the trap, the scanner requires three verifications from three ...
his or her account, club administrators restore his or her ID and **template** to an ... Software used
in this application can enhance **biometric** access by displaying the member's name and ...
Cited by 43 - Related articles - BL Direct - All 6 versions

Biometrics and Digital Signatures in Electronic Commerce

RR Jueneman, RJ Robertson Jr - Jurimetrics, 1997 - HeinOnline

… use of a password to encrypt the key (what he knows) or a **tamper**-proof hardware … For example, the Utah statute merely provides that °a court of this state shall presume" the … **Biometrics** and Digital Signatures in Electronic Commerce bubble" theory." The Illinois Act, on the other …

Cited by 19 - Related articles - BL Direct - All 4 versions

Cardholder verification realities at point-of-sale

I Chandler - Information Security Technical Report, 1999 - Elsevier

… but there are a number of common concerns which the prudent designer should address. … is secure) may facilitate access by an intruder through intentional disabling of the **biometric**. … Some systems update the **templates** to track such drift although this approach could be …

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A fuzzy commitment scheme   hkbu.edu.hk [PDF]

A Juels, M Wattenberg - Proceedings of the 6th ACM conference on ..., 1999 - portal.acm.org
... plus the length of the image of h. For a standard hash function like SHA-1, the fuzzy commitment
of a **biometric template** is only 20 bytes longer than the **template** itself ... Example 2 Let us extend
our simple zero-one-block **code** of Example 1 and consider its apphcatwn to a toy ...
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[CITATION] Vital signs of identity [**biometrics**]   uji.es [PDF]

B Miller - IEEE spectrum, 1994
Cited by 282 - Related articles - All 4 versions

Networked **biometrics** systems—requirements based on iris recognition

MM Gifford, DJ McCartney, CH Seal - BT Technology Journal, 1999 - Springer
... This configuration was adopted because the current **software** components from IriScan do not
allow the ... The primary concern is about the use of a single source of **biometrics** for a ... The danger
is that the **biometric template** could be used as a discriminatory key, disadvantaging ...
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[PDF] **Biometric** authentication systems   psu.edu [PDF]

V Matyas Jr, Z Riha - 2000 - Citeseer
... In the decision process, the **biometric** system tries to find a minutiae transformation between the
current distribution and the stored **template**. ... **Biometric** Systems 14 Source: PRIP MSU [11] The
minutiae matching is a process where two sets of minutiae are compared to de- cide ...
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Performance Analysis of Smart Card-based Fingerprint Recognition for Secure User Authentication

YH Gil, Y Chung, D Ahn, J Moon, H ... - Towards the E-Society: E- ..., 2001 - books.google.com
... To heighten security level, the comparison of the master **template** with the fingerprint **sample**
needs to be performed by the in-card processor ... The methods of assigning access security can
be controlled through use of a PIN or a **biometric template** or using cryptography ... **Software**. ...
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Biometrics and Digital Signatures in Electronic Commerce

jueneman.com [PDF]

RR Jueneman, RJ Robertson Jr - Jurimetrics, 1997 - HeinOnline

... level certificate must be installed in the relying party's **software** by a ... technology, see Bruce SCHNEIER, APPLIED CRYPTOGRAPHY, PROTOCOLS, ALGORITHMS AND SOURCE **CODE** IN C ... **Biometrics** and Digital Signatures in Electronic Commerce more likely to contain some ...

Cited by 19 - Related articles - BL Direct - All 4 versions

[BOOK] Audio-visual person recognition for security and access control

jisc.ac.uk [DOC]

F Deravi - 1999 - jisc.ac.uk

... with T-NETIX's SpeakEZ Voice Print(sm) Speaker Verification, "providing customers with access via a single source to the two least intrusive, lowest cost **biometric** solutions available today.". ... The size of the face print **template** is 600 to 3500 bytes depending on the application ...

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Biometrics—real identities for a virtual world

M Rejman-Greene - BT Technology Journal, 2001 - Springer

... For example, unless proper security policies are adhered to, it may be relatively easy for ... images from the sensor and for comparison with a securely stored **template**, together with a ... The wide variety of **biometric** methods, devices, algorithms and applications led to differing views ...

Cited by 13 - Related articles - BL Direct - All 6 versions

[CITATION] Noise-**resistant** pulse oximetry using a synthetic reference signal

FM Coetzee, Z Elghazzawi - IEEE Transactions on Biomedical Engineering, 2000

Cited by 47 - Related articles - BL Direct - All 6 versions

[PDF] Secure coprocessing applications and research issues

psu.edu [PDF]

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... If Alice compromises the **template** database at any installation that uses a particular **biometric** ... that installation's users anywhere else they are registered and that uses the same **biometric**. For example, suppose Bob's workplace and school both use fingerprints; if Alice breaks into ...

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[PDF] The Body As a Password: Considerations, Uses, and Concerns of **Biometric** Technologies

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MC Frye - 2001 - georgetown.edu

... about 2%.16 In a **biometric** verification system, false accepts are rare because the **sample** is only compared to the corresponding **template** of the user's claimed identity. For a **biometric** identification system, the **sample** is compared to all of the other **templates** in the database. ...

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[PDF] A FRONT END DEVELOPMENT FOR FPGA BASED **BIOMETRIC** HAND VEIN SYSTEM

utm.my [PDF]

S MOGANESHWARAN, O RAJASEGARAN - 1986 - psm.fke.utm.my

... 114 M Source **Code** of Main File of Hand Vein System for the ... processing, extraction of the **biometric**
feature from the image and authenticate the **template** stored in database. ... Currently, hand vein
is gaining popularity and has become new technology in **biometric** system. ...
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Smart cards in electronic commerce

NT Trask, MV Meyerstein - BT Technology Journal, 1999 - Springer
... provided with smart cards holding their on-line banking log-in, PIN and fingerprint **template**. ...
Although **biometrics** will be the way forward to replace the imperfect technology of passwords
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[PDF] Image analysis and pattern recognition in **biometric** technologies   ucalgary.ca [PDF]

J Soldek, V Shmerko, P Phillips, G ... - Proc. of the 4-rd Int. ..., 1997 - enel.ucalgary.ca
... As the most evident example, we consider here the following BTs: hand geometry, signature
and handwriting, face recognition finger and palm print, iris and retina scanning. ... Signature Voice
Template Fingerprint ... Fig.9. Space requirements for various **biometric** data storage
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[PDF] Subscriptions of SECURE–The Silicon Trust Quarterly Report can be obtained at: www. silicon-   silicon-trust.com [PDF]
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USB Dongle - 2001 - silicon-trust.com
... solutions. The company has since developed into a security **software** developer
specializing in authentication and in the last 3 years has focused on the development
of **biometric** solutions for the corporate enterprise. ISL is ...
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From smart cards to smart objects: the road to new smart technologies

D Praca, C Barral - Computer networks, 2001 - Elsevier
... Fig. 2. **Biometrics** framework. View Within Article. ... Fig. 5. MEMS micro-resonator **sample**. View
Within Article. 3.4. Biometrical sensors. ... But total security is not fully assured because image capture
is done with an external sensor and the session **template** is sent to the card. ...
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R Zunkel - Biometrics, 1999 - Springer
... For example, if three people enter the trap, the scanner requires three verifications from three ...
his or her account, club administrators restore his or her ID and **template** to an ... **Software** used
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[CITATION] Development of personal authentication system using fingerprint with digital signature

technologies
Y Isobe, Y Seto, M Kataoka - System Sciences, 2001. Proceedings of the 34th …, 2001
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[PDF] Laboratory evaluation of the iriscan prototype **biometric** identifier   unh.edu [PDF]
F Bouchier, JS Ahrens, G Wells - Sandia National Laboratories, …, 1996 - ece.unh.edu
… The remote computer connection facilitated backing up **templates**, updating **software**,
and performing other system management tasks. … 8 Page 9. **biometric sample** is a close
enough match to the enrolled **template** that matches that . identity. …
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Cardholder verification realities at point-of-sale
I Chandler - Information Security Technical Report, 1999 - Elsevier
… and rarely allow potential purchasers to perform a detailed analysis of their **code** to search for …
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